

## Special Issue

# Sustainable and Renewable Energy: Biodiesel Production

### Message from the Guest Editor

Due to the high demand for diesel across the globe, as well as the adverse environmental and health effects of direct combustion, biodiesel production and use have been growing rapidly as the best short-term alternative for mineral diesel. However, utilizing edible and non-edible oil feedstocks for biodiesel synthesis has resulted in a number of contentious challenges, including feedstock availability and cost, greenhouse gas (GHG) emissions, land use changes (LUC) and fuel vs. food/feed competition. This Special Issue aims to include papers that take into account the various aspects of sustainability in biodiesel production through innovative approaches such as lifecycle analysis, novel feedstock, byproduct utilization, machine learning and nanotechnology.

Topics of interests include, but are not limited to:

- Novel feedstock;
- Byproduct utilization;
- Lifecycle analysis;
- Process optimization;
- Machine-learning-based model prediction;
- Residue management and property enhancement;
- Advance processes to intensify biodiesel yields.

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### Guest Editor

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### Deadline for manuscript submissions

closed (15 September 2023)



## Sustainability

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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### Editor-in-Chief

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